

Title (en)

Method and means for measuring and controlling the concentration of chemical substances in process liquids for offset printing

Title (de)

Verfahren und Vorrichtung zur Messung und Regelung der Konzentrationen von chemischen Verbindungen in Prozessflüssigkeiten beim Offsetdruck

Title (fr)

Procédé et dispositif pour mesurer et régler la concentration de produits chimiques dans la solution de mouillage pour l'impression offset

Publication

EP 1500499 B1 20160120 (DE)

Application

EP 04017479 A 20040723

Priority

DE 10333625 A 20030724

Abstract (en)

[origin: EP1500499A1] A method for maintaining the quality of an offset printing system, and ensuring minimum down time, has the concentration of the chemical, or groups of chemicals, in the process tank (2) continuously monitored (6). Any reduction in any chemical is corrected by a top up system comprising separate reservoirs (K) of chemicals and dosing pumps (7). The system is suitable both alcohol based fluid as well as non alcohol fluids.

IPC 8 full level

B41F 7/24 (2006.01); **B41F 33/00** (2006.01)

CPC (source: EP US)

B41F 7/24 (2013.01 - EP US); **B41F 33/0054** (2013.01 - EP US)

Citation (opposition)

Opponent : technotrans AG

- JP H04327940 A 19921117 - TOYO INK MFG CO
- DE 3428909 A1 19850523 - POLYGRAPH LEIPZIG [DD]
- DE 4324141 A1 19950316 - KRIEG GUNTHER [DE], et al
- DE 19546971 A1 19970619 - BALDWIN GEGENHEIMER GMBH [DE]
- US 4403866 A 19830913 - FALCOFF ALLAN F [US], et al
- KRIEG G.: "OFFSETDRUCK DURCH ALKOHOL-REDUKTION NOCH WIRTSCHAFTLICHER", DEUTSCHER DRUCKER, no. 33, 2 September 1999 (1999-09-02), XP000848954
- KRIEG G.: "Die richtige Antwort auf die Lenkungsabgabe: Alkoholreduktion im Offsetdruck bis unter 3,0% mit dem Mess- und Regelsystem ALCOPRINT 2000 von UNISENSOR", GRAPHIA, vol. 79, January 2000 (2000-01-01), XP055318004
- "Alkoholkonstanthalter", ALCOSMART BROSchURE, November 1998 (1998-11-01), XP055318015

Cited by

EP1897688A3; EP1897688A2; US8117962B2

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